

AMENDMENTS TO THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims, in which insertions are indicated by underlining and deletions are indicated by strikeouts or double bracketing.

1. (Currently Amended) A method for inhibiting lectin complement pathway (LCP) associated complement activation, comprising administering an effective amount of a composition comprising a mannose binding lectin (MBL) inhibitor to inhibit LCP associated complement activation in a subject with cellular injury, wherein the MBL inhibitor comprises an is a peptide, protein, or antibody or antigen-binding fragment thereof that specifically binds human MBL, and wherein the LCP associated complement activation mediates a cellular injury.
2. (Canceled)
3. (Original) The method of claim 2, wherein the cellular injury mediated by LCP associated complement activation contributes to tissue injury associated with atherosclerosis.
4. (Original) The method of claim 2, wherein the cellular injury mediated by LCP associated complement activation contributes to tissue injury associated with the pulmonary system.
5. (Original) The method of claim 4, wherein the MBL inhibitor is administered to the subject by an aerosol route of delivery.
6. (Original) The method of claim 2, wherein the cellular injury mediated by LCP associated complement activation contributes to tissue injury associated with arthritis, myocardial infarction, ischemia, reperfusion, transplantation, cardiopulmonary bypass (CPB), stroke, acute respiratory distress syndrome (ARDS), systemic lupus erythematosus (SLE), lupus, or dialysis.

7. (Original) The method of claim 2, wherein the cellular injury mediated by LCP associated complement activation contributes to tissue injury associated with ischemia.

8. (Original) The method of claim 2, further comprising administering to the subject a therapeutic treatment for treating an MBL mediated disorder associated with the cellular injury mediated by LCP associated complement activation.

9. (Original) The method of claim 8, wherein the therapeutic treatment is a drug.

10. (Original) The method of claim 8, wherein the therapeutic treatment comprises revascularizing a coronary artery.

11. (Original) The method of claim 10, wherein the revascularizing of a coronary artery is achieved by a method comprising percutaneous transluminal coronary angioplasty.

12. (Original) The method of claim 1, wherein a mammalian cell with a surface exposed MBL ligand is contacted with the MBL inhibitor.

13-15. (Canceled)

16. (Currently Amended) The method of claim 1[[15]], wherein the antibody or antigen-binding fragment thereof specifically binds to human MBL epitope is a region of human MBL which interacts with a monoclonal antibody produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

17. (Currently Amended) The method of claim 1[[13]], wherein the antibody or antigen-binding fragment thereof competes for binding to human MBL with a monoclonal antibody produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii)

hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

18-22. (Canceled)

23. (Currently Amended) The method of claim 1[[22]], wherein the antigen-binding fragment is selected from the group consisting of an F(ab')₂ fragment, an Fd fragment, an Fv fragment, and an Fab fragment.

24. (Currently Amended) The method of claim 1[[22]], wherein the antigen-binding fragment is of a monoclonal antibody produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

25. (Canceled)

26. (Currently Amended) The method of claim 1[[25]], wherein the antibody is a monoclonal antibody.

27. (Original) The method of claim 26, wherein the monoclonal antibody is produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

28. (Currently Amended) The method of claim 1[[25]], wherein the antibody is a single-chain antibody.

29. (Currently Amended) The method of claim 1[[25]], wherein the antibody is a humanized antibody.

30. (Original) The method of claim 1, wherein the MBL inhibitor inhibits C3b deposition.

31. (Currently Amended) The method of claim 30, wherein the MBL inhibitor ~~is an MBL binding peptide, protein, or antibody or antigen binding fragment thereof, and~~ inhibits C3b deposition with an EC50 of between 10^{-9} to 10^{-7} mol/L.

32. (Original) The method of claim 1, wherein the method further inhibits VCAM-1 expression.

33-39. (Canceled)

40. (Currently Amended) A method for inhibiting cellular injury in a subject, comprising:

administering an effective amount of a composition comprising an MBL inhibitor to inhibit cellular injury in the subject, wherein the MBL inhibitor comprises an ~~is a~~ peptide, protein, or antibody or antigen-binding fragment thereof that specifically binds human MBL.

41. (Original) The method of claim 40, wherein the cellular injury contributes to tissue injury associated with atherosclerosis.

42. (Original) The method of claim 40, wherein the cellular injury contributes to tissue injury associated with the pulmonary system.

43. (Original) The method of claim 42, wherein the MBL inhibitor is administered to the subject by an aerosol route of delivery.

44. (Original) The method of claim 40, wherein the cellular injury contributes to tissue injury associated with arthritis, myocardial infarction, ischemia, reperfusion, transplantation, CPB, stroke, ARDS, SLE, lupus, or dialysis.

45. (Original) The method of claim 40, wherein the cellular injury contributes to tissue injury associated with ischemia.

46. (Original) The method of claim 40, further comprising administering to the subject a therapeutic treatment for treating an MBL mediated disorder associated with the cellular injury.

47. (Original) The method of claim 46, wherein the therapeutic treatment is a drug.

48. (Original) The method of claim 46, wherein the therapeutic treatment comprises revascularizing a coronary artery.

49. (Original) The method of claim 48, wherein the revascularizing of a coronary artery is achieved by a method comprising percutaneous transluminal coronary angioplasty.

50. (Original) The method of claim 40, wherein the MBL inhibitor inhibits MBL deposition on a mammalian cell with a surface exposed MBL ligand.

51-52. (Canceled)

53. (Currently Amended) The method of claim 40[[51]], wherein the antibody or antigen-binding fragment thereof is a monoclonal antibody or a monoclonal antibody fragment.

54. (Currently Amended) The method of claim 40[[51]], wherein the antibody or antigen-binding fragment thereof is humanized.

55. (Currently Amended) The method of claim 40[[51]], wherein the antibody or antigen-binding fragment thereof is a single-chain antibody.

56-57. (Canceled)

58. (Currently Amended) The method of claim 40[[57]], wherein the antibody or antigen-binding fragment thereof specifically binds to human MBL epitope is a region of human MBL which interacts with a monoclonal antibody produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

59. (Currently Amended) The method of claim 40[[51]], wherein the antibody or antigen-binding fragment thereof MBL binding peptide, protein, antibody, or antibody fragment competes for binding to human MBL with a monoclonal antibody produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

60. (Original) The method of claim 40, wherein the MBL inhibitor inhibits C3b deposition.

61. (Currently Amended) The method of claim 60, wherein the MBL inhibitor is ~~an MBL binding peptide, protein, antibody or antigen-binding fragment thereof, and~~ inhibits C3b deposition with an EC50 of between 10⁻⁹ to 10⁻⁷ mol/L.

62. (Original) The method of claim 40, wherein the method further inhibits VCAM-1 expression.

63-67. (Canceled)

68. (Currently Amended) The method of claim 40[[67]], wherein the antigen-binding fragment is selected from the group consisting of an F(ab')₂ fragment, an Fd fragment, an Fv fragment, and an Fab fragment.

69. (Currently Amended) The method of claim 40[[68]], wherein the antigen-binding fragment is of a monoclonal antibody produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

70. (Canceled)

71. (Currently Amended) The method of claim 40[[70]], wherein the antibody is a monoclonal antibody.

72. (Original) The method of claim 71, wherein the monoclonal antibody is produced by: i) hybridoma_(3F8) deposited under ATCC Accession No. HB-12621, ii) hybridoma_(2A9) deposited under ATCC Accession No. HB-12620, or iii) hybridoma_(hMBL1.2) deposited under ATCC Accession No. HB-12619.

73. (Currently Amended) The method of claim 40[[70]], wherein the antibody is a single-chain antibody.

74. (Currently Amended) The method of claim 40[[70]], wherein the antibody is a humanized antibody.

75. (Canceled)